

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

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GENERAL INFORMATION:

Name:	Logan Aluminum, Inc.
Address:	U.S. Highway 431 North, Russellville, Kentucky
Date application received:	12/17/2007
SIC/Source description:	3353/3341
Source ID #:	21-141-00038
Source A.I. #:	2761
Activity #:	APE20070005
Permit number:	V-08-011

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
_X_Minor	<input checked="" type="checkbox"/> Synthetic minor
_ Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input checked="" type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☒ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☒ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀	405.6	405.6
SO ₂	34.7	34.7
NO _x	591.0	591.0
CO	259.3	259.3
VOC	364.6	364.6
Single HAPs (HCL)	310.4	310.4
Source wide HAPs	17.5	17.5

SOURCE DESCRIPTION:

Logan's Russellville plant is an aluminum rolling mill in KY, which also has the capability to smelt secondary aluminum as a feedstock for producing ingots processed in the rolling mill. Therefore, Logan's primary SIC Code is 3353 for manufacturing "Aluminum Sheet, Plate, and Foil" with a secondary SIC code of 3341 for the Secondary Aluminum Processing Facility (Logan has only recently created significant secondary aluminum smelting capacity with the construction of the Multichamber Furnace in 2007).

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

- a. In order to preclude the requirements of 401 KAR 51:017, Prevention of Significant Deterioration, the permittee shall not allow the potential NO_x and PM₁₀ emissions from the Scrap Processing System and Multichamber Furnace to exceed 40 and 15 tpy, respectively (Synthetic Minor Limits).
- b. To preclude PSD applicability, PM emitted after the application of 1,870,000 gallons of coating in any consecutive 12-month period shall not exceed 15 tons/yr for Coating Line 1.
- c. To preclude PSD applicability, VOC emitted after application of 1,870,000 gallons of coating and 34,419 gallons of MEK in any consecutive 12-month period shall not exceed 40 tons/yr for Coating Line 1.

OPERATIONAL FLEXIBILITY:

None